



# 1998 Toxics Release Inventory

## ILLINOIS

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	84,728,639	61,660,627	146,389,266
Air Emissions	58,775,372	32,371,626	91,146,998
Surface Water Discharges	6,264,554	45,706	6,310,260
Underground Injection Class I Wells	250	0	250
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	9,286,090	21,607,926	30,894,016
Other On-site Land Releases	10,402,373	7,635,369	18,037,742
Off-site Releases (Transfers Off-site to Disposal)*	17,712,630	5,195,655	22,908,285
<b>Total On- and Off-site Releases</b>	<b>102,441,269</b>	<b>66,856,282</b>	<b>169,297,551</b>
Recycled On-site	1,327,391,943	8,269,263	1,335,661,206
Recycled Off-site	91,148,220	961,152	92,109,372
Energy Recovery On-site	43,023,655	0	43,023,655
Energy Recovery Off-site	24,961,812	13,559,584	38,521,396
Treated On-site	186,856,266	42,737,604	229,593,870
Treated Off-site**	16,836,814	3,358,626	20,195,440
Quantity Released On- and Off-site***	111,580,789	67,067,246	178,648,035
<b>Total Production-related Waste Managed</b>	<b>1,801,799,499</b>	<b>135,953,475</b>	<b>1,937,752,974</b>
<b>Total Non-production-related Waste Managed</b>	<b>199,733</b>	<b>348,574</b>	<b>548,307</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	90,514,364	961,927	91,476,291
Energy Recovery	21,320,732	13,561,345	34,882,077
Treatment	9,324,564	3,003,015	12,327,579
Publicly Owned Treatment Works (POTWs)	9,639,449	498,946	10,138,395
Metals and Metal Compounds*	729,528	8,888	738,416
Non-metal TRI Chemicals**	8,909,921	490,058	9,399,979
Other Off-site Transfers***	163,671	0	163,671
Off-site Transfers to Disposal (not including metals to POTWs)	31,024,928	5,444,100	36,469,028
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>161,987,708</b>	<b>23,469,333</b>	<b>185,457,041</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\*Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

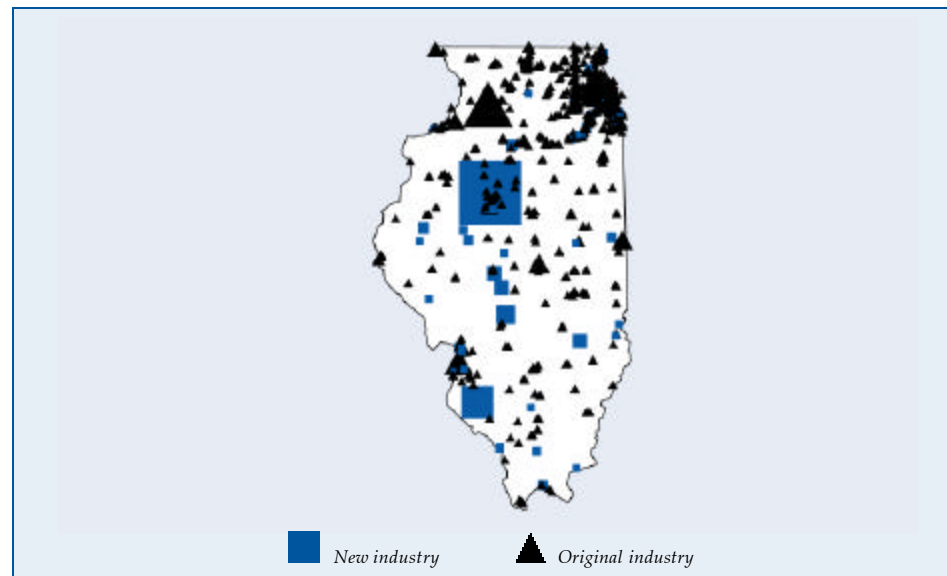
Joe Goodner  
(217) 785-0830  
Fax: (217) 782-1431

#### EPA Regional Contact:

Thelma Codina  
(312) 886-6219  
Fax: (312) 353-4788

#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531  
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Illinois. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	12,045,326
Square Miles	55,593
Total Facilities	1,344
Total Forms	4,876
Form As	778

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	6	14	11
Pounds	102,441,269	66,856,282	169,297,551
<b>National Rank for Total On-site Releases**</b>			
Rank	7	14	10
Pounds	84,728,639	61,660,627	146,389,266
<b>National Rank for Total Releases within State***</b>			
Rank	6	14	11
Pounds	104,812,091	66,506,499	171,318,590
<b>National Rank for Production-related Waste Managed</b>			
Rank	3	10	3
Pounds	1,801,799,499	135,953,475	1,937,752,974

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1998 Toxics Release Inventory

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### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Zinc compounds	696,448	12,979	250	12,280,599	8,449,224	21,439,500	11,296,630	11,813,829	4,005,123
110-54-3	n-Hexane	10,137,410	4,358	0	1,408	109	10,143,285	250	100	9
7664-41-7	Ammonia	6,878,779	52,980	0	40,318	279,408	7,251,485	290	7,560	271,848
—	Manganese compounds	76,435	4,226	0	4,568,413	2,579,585	7,228,659	1,911,325	2,318,468	871,415
—	Nitrate compounds	29,941	6,080,909	0	213	41,897	6,152,960	2,792	897	41,000
75-15-0	Carbon disulfide	4,414,278	1,637	0	1,650	15	4,417,580	0	15	0
108-88-3	Toluene	4,297,167	521	0	1,520	24,109	4,323,317	26,888	16,593	7,516
85-44-9	Phthalic anhydride	147,993	0	0	0	3,764,734	3,912,727	0	3,757,674	7,060
7664-93-9	Sulfuric acid	2,605,436	0	0	0	897,969	3,503,405	6,005	0	897,969
7647-01-0	Hydrochloric acid	3,153,368	0	0	0	750	3,154,118	250	750	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	21,892,835	0	0	0	0	21,892,835	0	0	0
—	Zinc compounds	106,732	2,591	0	18,498,316	1,232,433	19,840,072	11,485	1,019,932	223,778
7664-93-9	Sulfuric acid	6,124,164	0	0	0	0	6,124,164	0	0	0
—	Barium compounds	273,432	25,367	0	3,504,015	691,930	4,494,744	14,267	691,425	505
—	Manganese compounds	30,849	7,624	0	3,562,030	801,237	4,401,740	8	782,357	22,664
7664-39-3	Hydrogen fluoride	3,512,061	0	0	0	773	3,512,834	0	259	514
—	Lead compounds	4,484	9	0	1,777,186	378,491	2,160,170	106,830	372,315	17,112
—	Chromium compounds	7,585	954	0	558,230	903,452	1,470,221	16,680	720,798	193,363
—	Copper compounds	7,453	5,876	0	527,083	468,864	1,009,276	4,285	458,674	23,878
—	Nickel compounds	6,934	426	0	310,369	487,870	805,599	1,362	361,426	126,444

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1998 Toxics Release Inventory

## ILLINOIS

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Northwestern Steel & Wire Co., Sterling, Whiteside	124,640	18,410	0	0	9,140,000	3,513,000	12,796,050	186,000	0
Granite City Steel, Granite City, Madison	191,216	17,323	0	0	0	5,763,304	5,971,843	0	593
Devro-Teepak Inc., Danville, Vermilion	3,761,319	0	0	0	0	1,650	3,762,969	0	0
ADM Bioproducts, Decatur, Macon	3,500,000	0	0	0	0	0	3,500,000	0	0
IBP Inc., Joslin, Rock Island	33,080	3,202,500	0	0	0	2,210	3,237,790	12,910	9,100
Williams Ethanol Services Inc., Pekin, Tazewell	334,323	2,230,256	0	0	0	0	2,564,579	0	0
Royster-Clark Nitrogen, East Dubuque, Jo Daviess	2,373,415	52,623	0	0	0	0	2,426,038	0	0
Equistar Chemicals L.P., Morris, Grundy	2,014,330	5	0	0	0	10	2,014,345	0	0
Equilon Wood River Refining Co., Roxana, Madison	1,823,714	48,532	0	0	0	0	1,872,246	28,684	305
ADM, Decatur, Macon	1,821,925	0	0	0	0	0	1,821,925	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases * Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Peoria Disposal Co. #1, Peoria, Peoria	542	10	0	0	21,600,700	0	21,601,252	6,805	10
Baldwin Power Station, Baldwin, Randolph	8,450,555	0	0	0	0	1,146,900	9,597,455	0	0
Ameren Corp.Coffeen Power Station, Coffeen, Montgomery	4,513,765	789	0	0	0	0	4,514,554	292,300	0
E. D. Edwards Station, Bartonville, Peoria	2,797,508	0	0	0	0	42,715	2,840,223	437,293	0
City Water Light & Power City of Springfield, Springfield, Sangamon	2,785,444	0	0	0	0	26,000	2,811,444	0	0
Dominion Resources Inc. Kincaid Generation L.L.C., Kincaid, Christian	2,617,278	0	0	0	0	73,960	2,691,238	664,000	0
Ameren Corp. Newton Power Station, Newton, Jasper	1,131,344	936	0	0	0	1,515,000	2,647,280	0	0
Illinova Corp. Hennepin Power Station, Hennepin, Putnam	1,253,270	1,590	0	0	0	208,000	1,462,860	0	0
Freeman United Coal Mining Co. Industry Mine, Industry, Mc Donough	20	0	0	0	0	1,353,552	1,353,572	0	0
Ameren Corp. Meredosia Power Station, Kilbourne, Mason	970,911	1,227	0	0	0	91,000	1,063,138	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1998 Toxics Release Inventory

## ILLINOIS

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Northwestern Steel & Wire Co., Sterling, Whiteside	0	0	0	0	720,000	186,000	12,798,800	13,704,800	0
Granite City Steel, Granite City, Madison	0	0	0	0	1,889,493	4,966	5,971,843	7,866,302	0
Keystone Steel & Wire Co., Peoria, Peoria	0	760,000	0	0	0	0	5,299,000	6,059,000	25,700
Birmingham Steel Corp., Kankakee Illinois Steel Div., Bourbonnais, Kankakee	0	0	0	0	0	0	5,052,578	5,052,578	0
Koppers Inds. Inc., Cicero, Cook	932,081	0	0	1,245	14,526,838	21,749	4,144,367	19,626,280	0
Devro-Teepak Inc., Danville, Vermilion	0	0	0	0	0	36,920	3,761,308	3,798,228	0
ADM Bioproducts, Decatur, Macon	55,000,000	3,100,000	0	0	0	500,000	3,500,000	62,100,000	0
IBP Inc., Joslin, Rock Island	0	9,100	0	0	272,000	0	3,254,320	3,535,420	16
Williams Ethanol Services Inc., Pekin, Tazewell	0	0	0	0	179,183	0	2,564,447	2,743,630	2,916
Royster-Clark Nitrogen, East Dubuque, Jo Daviess	0	0	0	0	0	0	2,410,260	2,410,260	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Peoria Disposal Co. #1, Peoria, Peoria	0	0	0	0	0	0	21,600,700	21,600,700	0
Baldwin Power Station, Baldwin, Randolph	0	0	0	0	5,730,000	0	9,588,900	15,318,900	3
Ameren Corp. Coffeen Power Station, Coffeen, Montgomery	0	0	0	0	1,402,700	0	4,806,000	6,208,700	0
Dominion Resources Inc. Kincaid Generation L.L.C., Kincaid, Christian	0	0	0	0	668,000	0	3,359,000	4,027,000	0
E. D. Edwards Station, Bartonville, Peoria	0	0	0	0	950,433	0	3,277,513	4,227,946	0
City Water Light & Power City of Springfield, Springfield, Sangamon	0	0	0	0	2,660,000	0	2,812,000	5,472,000	0
Ameren Corp. Newton Power Station, Newton, Jasper	0	0	0	0	830,000	0	2,634,000	3,464,000	0
Envirite of Illinois Inc., Harvey, Cook	0	11,400	0	0	60,000	0	2,118,001	2,189,401	0
Illinova Corp. Hennepin Power Station, Hennepin, Putnam	0	0	0	0	959,000	0	1,462,000	2,421,000	0
Freeman United Coal Mining Co. Industry Mine, Industry, Mc Donough	0	0	0	0	0	0	1,353,552	1,353,552	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.